BRUHAT BANGALORE MAHANAGARA PALIKE
Yelahanka Division
Comparitive Statement

Name of work :'Improvement of Concrete Roads And Drains in Allansandra Colony"
Estimate cost:-10000000/-
Approved amount:- :8718497-
Agency:Sri R.Ranganath Banglore
Tender premium: 2.90%

Sl. No.	Description	Unit	Qty. as per Schedule-B			Total Qty as per Executed	Qty upto 125%			Qty above 125%			Total Amount as per Executed	Savings	Excess	Remarks
			Qty	Rate	Amount		QTY	Rate	Amount	QTY	Rate	Amount				
1	Removing and Resetting of Footpath Slab and pointing in C.M (1:3) (Approved Rate)	Sqm	183.60	250.00	45900.00	146.40	146.40	250.00	36600.00	0.00	250.00	0.00	36600.00	9300.00	0.00	As per site condition
2	Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to	Cum	589.87	400.00	235947.60	701.98	701.98	400.00	280791.20	0.00	400.00	0.00	280791.20	0.00	44843.60	As per site condition
3	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) Mix 1:3:6 (M10) Using 40 mm nominal size graded crushed coarse	Cum	89.14	7000.00	623980.00	87.26	87.26	7000.00	610785.00	0.00	7000.00	0.00	610785.00	13195.00	0.00	As per site condition
4	Supplying, Fitting and Placing un-coated TMT bar Reinforcement in sub-structure complete as per Drawing and Technical Specifications.complete as per the direction of Engineer In charge	Tn	11.68	88000.00	1027588.32	12.40	12.40	88000.00	1091069.76	0.00	88000.00	0.00	1091069.76	0.00	63481.44	As per site condition
5	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of	Cum	200.41	7500.00	1503045.00	186.35	186.35	7500.00	1397610.00	0.00	7500.00	0.00	1397610.00	105435.00	0.00	As per site condition
6	Providing and fixing precast reinforced cement concrete covering slabs of 10Cm thick made of M20 with OPC cement,with 20mm and down size graded granite metal coarse aggregate @0.70 mixed, Inculding providing and removing centering, shuttering, strutting propping etc., for edges of slabs with TMT steel (Fe500) cost of all materials, labour, all lead and lift, HOM of machinery, curing, including cost of reinforcement etc., complete as directed by the Engineer in charge of the work	Sqm	501.60	2100.00	1053360.00	449.28	449.28	2100.00	943488.00	0.00	2100.00	0.00	943488.00	109872.00	0.00	As per site condition

Copy to:-

(Yelahanka Zone) for Kind information

Satellite Town Sub

Sl. No.	Description	Unit	Qty. as per Schedule-B			Total Qty as per Executed	Qty upto 125%			Qty above 125%			Total Amount as per Executed	Savings	Excess	Remarks
			Qty	Rate	Amount		QTY	Rate	Amount	QTY	Rate	Amount				
7	Providing and fixing RCC precast cover slab of 230mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)	Sqm	43.20	5100.00	220320.00	22.68	22.68	5100.00	115668.00	0.00	5100.00	0.00	115668.00	104652.00	0.00	As per site condition
8	Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 m3 in volume and stock piling at designated locations and disposal of dismantled materials and stacking serviceable and unserviceable materials separatel	Cum	16.88	625.00	10546.88	20.21	20.21	625.00	12628.13	0.00	625.00	0.00	12628.13	0.00	2081.25	As per site condition
9	Earth work in surface excavation by mechanical means for lowering & leveling the ground for all works other than foundation in all kinds of soils & upto depth not exceeding 300mm as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenances required to complete the work (	Cum	229.80	120.00	27576.00	287.05	287.05	120.00	34446.00	0.00	120.00	0.00	34446.00	0.00	6870.00	As per site condition
10	Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver/grader in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density	Cum	206.82	2900.00	599778.00	258.35	258.35	2900.00	749200.50	0.00	2900.00	0.00	749200.50	0.00	149422.50	As per site condition
11	Providing and applying primer coat with SS1 grade Bitumen Emulsion on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.90 kg per m2 using mechanical means.	Sqm	919.20	50.00	45960.00	1148.20	1148.20	50.00	57410.00	0.00	50.00	0.00	57410.00	0.00	11450.00	As per site condition
12	Providing and applying tack coat with RS1 Bituminous Emulsion using emulsion pressure distributor at the rate of 0.20 kg/m2 on the prepared bituminous surface cleaned with mechanical broom.	Sqm	4847.59	15.00	72713.85	4680.53	4680.53	15.00	70207.88	0.00	15.00	0.00	70207.88	2505.97	0.00	As per site condition
13	Providing and laying Dense Graded Bituminous Macadam with 40/60 TPH capacity HMP using crushed aggregates of specified grading, premixed with bituminous binder VG-30, @ 4.5 per cent by weight of total mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRTH specification clause No. 505 complete in all respects.	Cum	45.95	11000.00	505450.00	57.41	57.41	11000.00	631510.00	0.00	11000.00	0.00	631510.00	0.00	126060.00	As per site condition
14	Providing and laying Bituminous Concrete with 40/60 TPH capacity hot mix plant using crushed aggregates of specified grading, premixed with bituminous binder VG-30, @ 5.4 per cent of mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 507 complete in all respects	Cum	193.90	12270.00	2379202.08	187.22	187.22	12270.00	2297201.67	0.00	12270.00	0.00	2297201.67	82000.41	0.00	As per site condition

Copy to:-

1. Chief Engineer (Yelahanka Zone) for Kind information
2. Assistant Executive Engineer, Yelahanka Yelahanka Satellite Town Sub Division along with Schedule-B for Necessary Action and with instructions to hand over the site and commence the work forthwith and complete with in the stipulated time

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			Qty	Rate	Amount		QTY	Rate	Amount	QTY	Rate	Amount				
15	Construction of dry lean cement concrete Sub- base over a prepared sub-grade with coarse and fine aggregate conforming to IS: 383, the size of coarse aggregate not exceeding 25 mm, aggregate cement ratio not to exceed 15:1, aggregate gradation after blending to be as per table 600-1, cement content not to be less than 150 kg/ m3, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver with electr	Cum	13.50	5500.00	74250.00	13.50	13.50	5500.00	74250.00	0.00	5500.00	0.00	74250.00	0.00	0.00	As per site condition
16	Providing and constructing un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base, with 43 grade cement or any other type as per Clause 1501.2.2 M30 (Grade), coarse and fine aggregates conforming to IS:383, maximum size of coarse aggregate not exceeding 25 mm, mixed in a concrete mixer of not less than 0.2 cum capacity and appropriate weigh batcher using approved mix design, laid in approved fixed side formwork (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the formwork as per drawing), spreading the concrete with shovels, rakes, compacted using needle, screed and plate vibrators and finished in continuous operation including construction joints, , primer, sealant , curing of concrete slabs for 14- days, and water finishing to lines and grade as per drawing	Cum	13.50	7500.00	101250.00	13.50	13.50	7500.00	101250.00	0.00	7500.00	0.00	101250.00	0.00	0.00	As per site condition
17	Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads @ 250 g/ m2 area, thickness of 2.5 mm is exclusive of surface applied glass beads as	Sqm	153.20	600.00	91920.00	149.30	149.30	600.00	89580.00	0.00	600.00	0.00	89580.00	2340.00	0.00	As per site condition
18	Cost of Haulage Excluding Loading and Unloading Taking output 10 t load and lead 10 km = 100 t.km	T.km	1084.61	92.00	99784.47	1308.39	1308.39	92.00	120371.54	0.00	92.00	0.00	120371.54	0.00	20587.07	As per site condition
	Total Constrution Cost				**8718497.00**				**8714067.67**			**0.00**	**8714067.67**	**429300.38**	**424795.86**	

SANCTIONED ESTIMATE AMOUNT	10000000
SANCTIONED TENDER AMOUNT	8718497.00
WORK SLIP AMOUNT	424795.86
% OF WORK SLIP COMP TO SANCTIONED TENDER COST	**4.87**
EIRL AMOUNT	0.00
% OF EIRL COMP TO SANCTIONED TENDER COST	**0.00**
SAVINGS	4429.33

Assistant Engineer

Asst.Executive Engineer

Executive Engineer

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